

§ 98.367

40 CFR Ch. I (7–1–14 Edition)

(13) N<sub>2</sub>O emissions (results of Equation JJ–13).

(14) N value used for each animal type.

(15) N<sub>2</sub>O emission factor selected for each MMS component.

(b) Facilities with anaerobic digesters must also report:

(1) CH<sub>4</sub> emissions from anaerobic digesters (results of Equation JJ–5).

(2) CH<sub>4</sub> flow to the digester combustion device for each digester (results of Equation JJ–6, or value from fully integrated monitoring system as described in 98.363(b)).

(3) CH<sub>4</sub> destruction for each digester (results of Equation JJ–11).

(4) CH<sub>4</sub> leakage for each digester (results of Equation JJ–12).

(5) Total annual volumetric biogas flow for each digester (results of Equation JJ–7).

(6) Average annual CH<sub>4</sub> concentration for each digester (results of Equation JJ–8).

(7) Average annual temperature at which gas flow is measured for each digester (results of Equation JJ–9).

(8) Average annual gas flow pressure at which gas flow is measured for each digester (results of Equation JJ–10).

(9) Destruction efficiency used for each digester.

(10) Number of days per year that each digester was operating.

(11) Collection efficiency used for each digester.

**§ 98.367 Records that must be retained.**

In addition to the information required by § 98.3(g), you must retain the calibration records for all monitoring equipment, including the method or manufacturer's specification used for calibration.

**§ 98.368 Definitions.**

All terms used in this subpart have the same meaning given in the Clean Air Act and subpart A of this part.

TABLE JJ–1 TO SUBPART JJ OF PART 98—ANIMAL POPULATION THRESHOLD LEVEL BELOW WHICH FACILITIES ARE NOT REQUIRED TO REPORT EMISSIONS UNDER SUBPART JJ<sup>1 2</sup>

Animal group	Average annual animal population (Head) <sup>3</sup>
Beef .....	29,300
Dairy .....	3,200
Swine .....	34,100
Poultry:	
Layers .....	723,600
Broilers .....	38,160,000
Turkeys .....	7,710,000

<sup>1</sup> The threshold head populations in this table were calculated using the most conservative assumptions (high VS and N values, maximum ambient temperatures, and the application of an uncertainty factor) to ensure that facilities at or near the 25,000 metric ton CO<sub>2</sub>e threshold level were not excluded from reporting.

<sup>2</sup> For facilities with more than one animal group present refer to § 98.360 (2) to estimate the combined animal group factor (CAGF), which is used to determine if a facility may be required to report.

<sup>3</sup> For all animal groups except dairy, the average annual animal population represents the total number of animals present at the facility. For dairy facilities, the average annual animal population represents the number of mature dairy cows present at the facility (note that heifers and calves were included in the emission estimates for dairy facilities using the assumption that the average annual animal population of heifers and calves at dairy facilities are equal to 30 percent of the mature dairy cow average annual animal population, therefore the average annual population for dairy facilities should not include heifers and calves, only dairy cows).

TABLE JJ–2 TO SUBPART JJ OF PART 98—WASTE CHARACTERISTICS DATA

Animal type	Typical animal mass (kg)	Volatile solids excretion rate (kg VS/day/1000 kg animal mass)	Nitrogen excretion rate (kg N/day/1000 kg animal mass)	Maximum methane generation potential, B <sub>0</sub> (m <sup>3</sup> CH <sub>4</sub> /kg VS added)
Dairy Cows .....	604	See Table JJ–3 .....	See Table JJ–3 .....	0.24
Dairy Heifers .....	476	See Table JJ–3 .....	See Table JJ–3 .....	0.17
Dairy Calves .....	118	6.41 .....	0.30 .....	0.17
Feedlot Steers .....	420	See Table JJ–3 .....	See Table JJ–3 .....	0.33